

REMARKS

The Office Action of September 30, 2005 has been received and carefully reviewed. Applicant notes with appreciation the indication in the Office Action that claims 19-22 are allowed. In the above amendment, various informalities have been addressed in claims 6, 15, and 19, wherein a redundant occurrence of the word "the" has been deleted from claim 6, claim 15 has been amended to depend from independent claim 12, and an inadvertent period was replaced with a semicolon in claim 19. In addition, independent claims 1 and 12 have been amended above to further distinguish the cited prior art references, whereby reconsideration of pending claims 1-22 is respectfully requested in view of the above amendments and the following remarks.

I. REJECTION OF CLAIMS 1-18 UNDER 35 U.S.C. § 103

Claims 1-18 were rejected under 35 U.S.C. § 103 as being obvious in view of Haymes 6,751,443 in view of Oh 6,714,789. Reconsideration and withdrawal of these claim rejections is respectfully requested for at least the following reasons.

The application is related to identification of RF dead zones or dead spots within a wireless network, where the mobile stations (MSs) send position data to one or more network base stations when the signal strength of a received pilot signal strength measurement message (PSMM) is less than a threshold value. The position data is stored in a network or database, and may be used to identify RF dead zones or edges of RF dead zones in a wireless network.

Rejected independent claims 1 and 12 are directed to methods for collecting data to identify an RF dead zone in a cell of a wireless network, in which a base station receives position data from a powered up mobile station, and the position data is communicated to an associated mobile switching center (MSC) and stored in an RF dead zone network or database associated with the wireless network. As amended above, claims 1 and 12 recite that the position data is sent from the mobile station to the base station in response to or when the mobile station determines that a received pilot strength measurement message is less than a predetermined threshold. Neither Haymes 6,751,443 nor Oh 6,714,789 teach or suggest that the position data is sent from the mobile station to the base station when the mobile station determines that a received pilot strength measurement message is less than a predetermined threshold. Haymes appears silent with respect to pilot strength measurement messages. Oh

describes mobile stations monitoring signal strengths of a pilot channel (col. 5, 52-60) and determination of a mobile station location (col. 7, lines 14-15; step 102 in Fig. 4), but does not teach a mobile unit providing location information in response to determining that a pilot signal strength message is less than a threshold value. Instead, Oh appears to provide only for periodic location reporting (col. 8, line 61 through col. 9, line 17). Consequently, the above amendment is believed to render the pending claims patentably distinct from any combination of Haymes with Oh, and Applicants respectfully request reconsideration and withdrawal of the rejection of claims 1-18 under 35 U.S.C. § 103.

CONCLUSION

In response to the Office Action, claims 1, 6, 12, 15, and 19 have been amended. For at least the above reasons, the currently pending claims 1-22 are believed to be in condition for allowance and notice thereof is requested.

Should the Examiner feel that a telephone interview would be helpful to facilitate favorable prosecution of the above-identified application, the Examiner is invited to contact the undersigned at the telephone number provided below.

Should any fees be due as a result of the filing of this response, the Commissioner is hereby authorized to charge the Deposit Account Number 06-0308, LUTZ200216.

Respectfully submitted,

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11/16/05
Date

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Under 37 C.F.R. § 1.8, I certify that this Amendment is being

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Signature <i>Kristi A. Murphy</i>
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